

\* SWBAT observe how distance affects time on a ramp

Sep 6-2:31 PM

Centering...

# Welcome!!!

H. Leslie Grebe

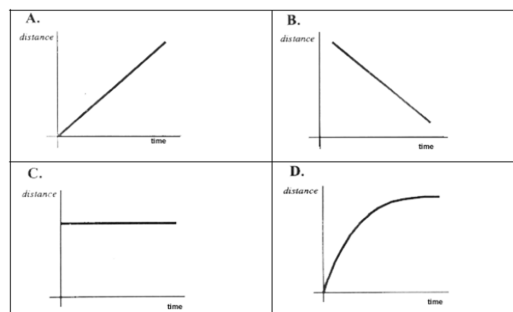
SECA Physics  
Wednesday 16 October 2013

See Leslie to  
schedule make-up  
test...

- \* Pick up:
- slip of paper (for later)
  - worksheet

Opening Question:

Which graph(s) show constant speed?



Sep 7-7:04 AM

## Outrageous Acts of Science

A show about viral videos and the science that makes them possible...



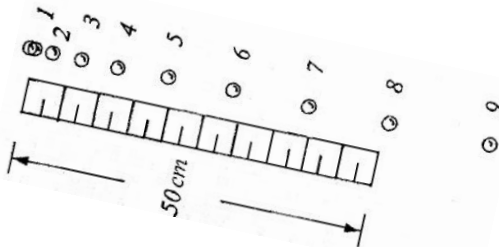
### Balancing bricks on your head?

1. Just watch
2. Read the questions
3. Watch again
4. Discuss
5. Watch a last time to catch anything you might have missed

Oct 4-7:27 AM

## Distance and time - Galileo Lab

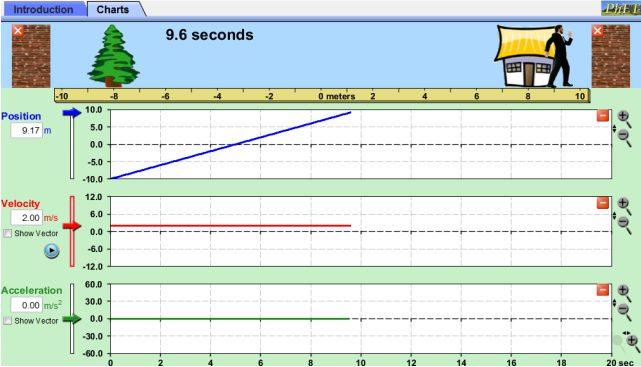
- \* Test out your ramp
  - front of car
  - 4 distances (start with shortest)
- \* Practice timing
  - countdown
- \* Get 5 times for each distance
- \* Get average of MIDDLE 3 times



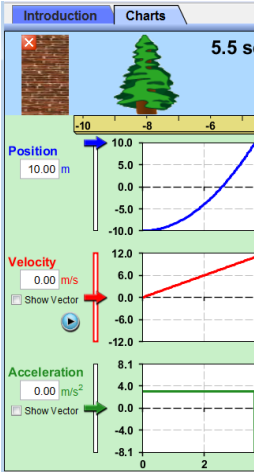
Oct 5-8:33 AM

# What did we find?

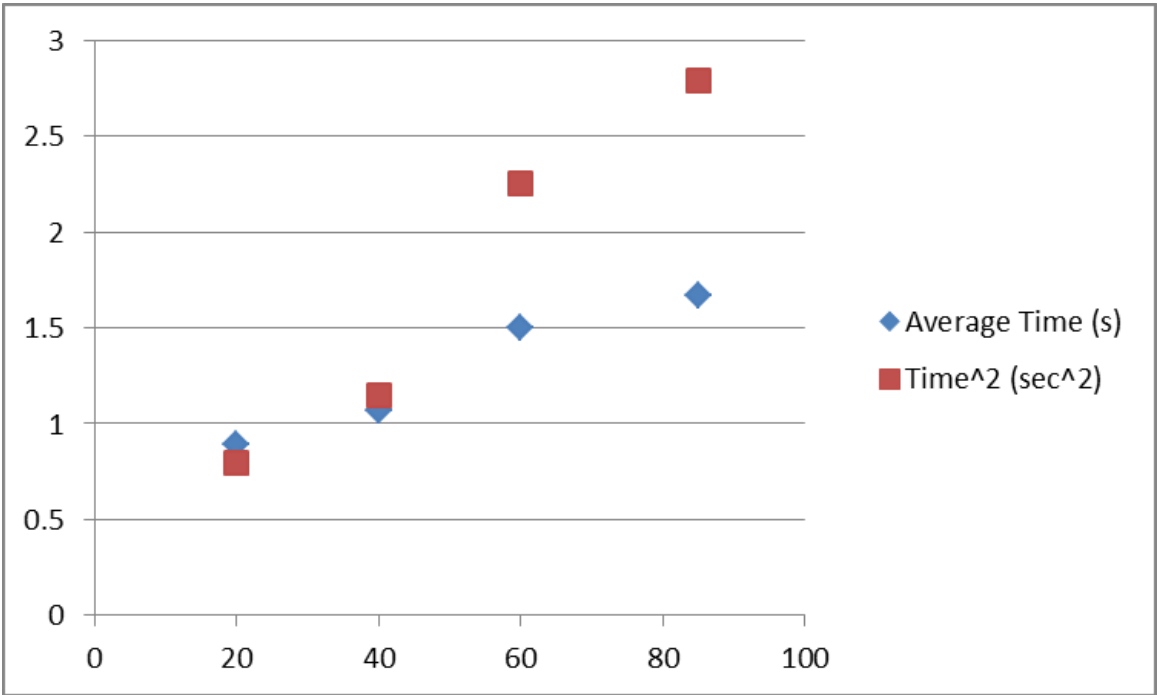
CONSTANT SPEED



CONSTANT ACC.



Oct 16-7:55 AM



Oct 21-1:35 PM

### Daily 3 Questions

- \* Every day except test/project days
- \* 3 Questions on the topics of the day
- \* Main source of daily points
- \* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

- At the top of the arc, the bricks have a speed of
  - 20 m/s
  - 10 m/s
  - ☒ 0 m/s
- What does it mean about speed if **distance** vs. **time** makes a straight line?
  - speed is increasing
  - ☒ speed is constant
  - speed is decreasing
- As a class, did our data show **distance** vs. **time** was a straight line?  
**NO! (time<sup>2</sup> DOES)**

Oct 8-6:48 AM